

1 **EXAMINER'S AMENDMENT**

2 An examiner's amendment to the record appears below. Should the changes
3 and/or additions be unacceptable to applicant, an amendment may be filed as provided by
4 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no
5 later than the payment of the issue fee.

6 Authorization for this examiner's amendment was given in a telephone interview
7 with William K. Konrad (Reg. No. 28,868) on 10/31/08.

8 The claims in the application have been amended as follows:

9
10 1. (Currently amended) A computerized method comprising:
11 attempting in a first attempt to acquire a first resource for a first task requiring
12 both a first resource and a second resource;
13 enqueueing said first task on a first wait queue for said first resource if said first
14 attempt to acquire said first resource for said first task fails wherein said first task a first
15 priority, and wherein said first attempt to acquire said first resource fails when a second
16 task having said first priority in enqueued on said first wait queue for said first resource;
17 acquiring in a second attempt said first resource for said first task;
18 removing said first task from said first wait queue for said first resource;
19 attempting in a first attempt to acquire said second resource for said first task;
20 enqueueing said first task on a second wait queue for said second resource if said
21 first attempt to acquire said second resource for said first task fails; and
22 releasing said first resource for said first task if said first attempt to acquire said
23 second resource for said first task fails;
24 attempting in a first attempt to acquire said first resource for a third task requiring
25 said first resource and having a second priority higher than said first priority, and

1 enqueuing said third task on a third wait queue having a higher priority for said
2 first resource than said first wait queue if said first attempt to acquire said first resource
3 for said third task fails;

4 wherein said first attempt to acquire said first resource for said first task fails
5 when said third task having said second priority is in enqueued on said third wait queue
6 and wherein said first attempt to acquire said second resource fails when a fourth task
7 having said first priority in enqueued on said second wait queue for said second resource;
8 attempting in a first attempt to acquire said second resource for a fifth task
9 requiring said second resource and having a second priority higher than said first priority,
10 and

11 enqueuing said fifth task on a fourth wait queue having a higher priority for said
12 second resource than said second wait queue if said first attempt to acquire said second
13 resource for said fifth task fails;

14 wherein said first attempt to acquire said second resource for said first task fails
15 when said fifth task having said second priority is in enqueued on said fourth wait queue;
16 acquiring in a third attempt said first resource for said first task;
17 attempting to acquire in a second attempt said second resource for said first task;
18 and
19 releasing said first resource for said first task if said second attempt to acquire
20 said second resource for said task fails.

21
22 2-6. (Cancelled)

23
24 7. (Currently amended) The method of claim [5] 1 further comprising:
25 acquiring in a third fourth attempt said first resource for said first task;
26 acquiring in a second third attempt said second resource for said first task;
27 removing said first task from said second wait queue for said second resource;
28 and

1 dispatching said first task to be completed using said first and second resources.

2

3

4 8. (Currently amended) A computerized method comprising:

5 attempting in a first attempt to acquire a first resource for a task requiring both a
6 first resource and a second resource;

7 enqueueing said task on a first queue if said first attempt to acquire said first
8 resource for said task fails;

9 acquiring in a second attempt said first resource for said task;

10 removing said task from said first queue;

11 attempting in a first attempt to acquire said second resource for said task;

12 enqueueing said task on a second queue if said first attempt to acquire said second
13 resource for said task fails; and

14 releasing said first resource for said task if said first attempt to acquire said
15 second resource for said task fails;

16 wherein said first task has a first priority, and wherein said first attempt to acquire
17 said first resource fails when a second task having said first priority is enqueued on said
18 first queue;

19 attempting in a first attempt to acquire said first resource for a third task requiring
20 said first resource and having a second priority higher than said first priority, and

21 enqueueing said third task on a third queue if said first attempt to acquire said first
22 resource for said third task fails;

23 wherein said first attempt to acquire said first resource for said first task fails

24 when said third task having said second priority is in enqueued on said third queue; and

25 wherein said first attempt to acquire said second resource fails when a fourth task
26 having said first priority is enqueued on said second queue;

Art Unit: 2195

1 attempting in a first attempt to acquire said second resource for a fifth task
2 requiring said second resource and having a second priority higher than said first priority,
3 and

4 enqueueing said fifth task on a fourth queue if said first attempt to acquire said
5 second resource for said fifth task fails;

6 wherein said first attempt to acquire said second resource for said first task fails
7 when said fifth task having said second priority is in enqueued on said fourth queue;

8 acquiring in a third attempt said first resource for said first task;

9 acquiring in a second attempt said second resource for said first task;

10 removing said first task from said second queue;

11 dispatching said first task to be completed using said first and second resources;

12 finding another task enqueued on one of said second and fourth queues for said
13 second resource;

14 acquiring said first resource for said other task;

15 attempting to acquire said second resource for said other task;

16 removing said other task from its queue if said attempt to acquire said second
17 resource for said other task succeeds;

18 dispatching said other task to be completed using said first and second resources
19 if said attempt to acquire said second resource for said other task succeeds; and

20 releasing said first resource for said other task if said attempt to acquire said
21 second resource for said other task fails.

22

23 9. (Currently amended) The method of claim 7 wherein said ~~third~~ fourth
24 attempt is initiated by the second resource becoming free.

25

26 10. (Currently amended) The method of claim 7 wherein said ~~third~~ fourth
27 attempt is initiated by the first resource becoming free.

28

Art Unit: 2195

- 1 11. (Currently amended) A computerized method comprising:
 - 2 attempting in a first attempt to acquire a first resource for a task requiring both a
 - 3 first resource and a second resource;
 - 4 enqueueing said task on a first queue if said first attempt to acquire said first
 - 5 resource for said task fails;
 - 6 acquiring in a second attempt said first resource for said task;
 - 7 removing said task from said first queue;
 - 8 attempting in a first attempt to acquire said second resource for said task;
 - 9 enqueueing said task on a second queue if said first attempt to acquire said second
 - 10 resource for said task fails; and
 - 11 releasing said first resource for said task if said first attempt to acquire said
 - 12 second resource for said task fails;
 - 13 wherein said first task has a first priority, and wherein said first attempt to acquire
 - 14 said first resource fails when a second task having said first priority is enqueued on said
 - 15 first queue;
 - 16 attempting in a first attempt to acquire said first resource for a third task requiring
 - 17 said first resource and having a second priority higher than said first priority, and
 - 18 enqueueing said third task on a third queue if said first attempt to acquire said first
 - 19 resource for said third task fails;
 - 20 wherein said first attempt to acquire said first resource for said first task fails
 - 21 when said third task having said second priority is in enqueued on said third queue; and
 - 22 wherein said first attempt to acquire said second resource fails when a fourth task
 - 23 having said first priority in enqueued on said second queue;
 - 24 attempting in a first attempt to acquire said second resource for a fifth task
 - 25 requiring said second resource and having a second priority higher than said first priority,
 - 26 and
 - 27 enqueueing said fifth task on a fourth queue if said first attempt to acquire said
 - 28 second resource for said fifth task fails;

1 wherein said first attempt to acquire said second resource for said first task fails
2 when said fifth task having said second priority is in enqueued on said fourth queue;
3 acquiring in a third attempt said first resource for said first task;
4 acquiring in a second attempt said second resource for said first task;
5 removing said first task from said second queue;
6 dispatching said first task to be completed using said first and second resources;
7 after all tasks have been removed from said second and fourth queues, finding a
8 next task enqueued on one of said first and third queues for said first resource;
9 acquiring said first resource for said next task ;
10 attempting to acquire said second resource for said next task;
11 removing said next task from its queue if said attempt to acquire said second
12 resource for said next task succeeds;
13 dispatching said next task to be completed using said first and second resources if
14 said attempt to acquire said second resource for said next task succeeds; and
15 releasing said first resource for said next task if said attempt to acquire said
16 second resource for said next task fails.

18 12-30. (cancelled)

Conclusion

21 Any inquiry concerning this communication or earlier communications from the
22 examiner should be directed to KENNETH TANG whose telephone number is (571)272-
23 3772. The examiner can normally be reached on 8:30AM - 6:00PM, Every other Friday
24 off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Meng-Ai An/
Supervisory Patent Examiner, Art Unit 2195

/Kenneth Tang/
Examiner, Art Unit 2195